BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Package-1 ,1. Improvement of drains and resurfacing to roads in SFS 208 area in ward no.03, Attur. 2. Improvement of drains and resurfacing to roads in SFS 407 area in ward no.03, Attur. 3. Improvement of drains and resurfacing to roads in SFS 707 area in ward no.03, Attur. 4. Improvement of drains and resurfacing to roads in Industrial area in ward no.03, Attur. 5. Improvement of Roads and drains in CHS 707 area in ward no.03, Attur.

Agency:-m/s B B Umesha

SCHEDULE-B

Sl No	App Qty	Description of work	Approved Rates of m/s B B Umesha		
			Unit	Rate in Figures	Rate in Words
1	14393.61	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).	Sqm	102.0	Rupees One Hundred Two Only
2	5423.67	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick	Sqm	849.0	Rupees Eight Hundred Forty Nine Only
3	1948.40	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate	Sqm	2415.0	Rupees Two Thousand Four Hundred Fifteen Only
4	8309.46	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum	225.0	Rupees Two Hundred Twenty Five Only
5	448.86	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	6827.0	Rupees Six Thousand Eight Hundred Twenty Seven Only
6	67.54	chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	6772.0	Rupees Six Thousand Seven Hundred Seventy Two Only
7	9.65	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	7103.0	Rupees Seven Thousand One Hundred Three Only
8	160.80	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- (Data rate)	Sqm	5877.0	Rupees Five Thousand Eight Hundred Seventy Seven Only

B.B.
Contractor

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Project Division
Yelahanka Zone

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BBMP, Bangalore-92
28/3/18

	Qty	Description of work	Approved Rates of m/s B B Umesha		
			Unit	Rate in Figures	Rate in Words
	4863.14	. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.	Sqm Cum	177.0	Rupees One Hundred Seventy Seven Only
)	13194.55	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm Cum	7.0	Rupees Seven Only
11	3093.47	Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum	2126.0	Rupees Two Thousand One Hundred Twenty Six Only
12	4991.07	Wet Mix Macadam Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	2256.0	Rupees Two Thousand Two Hundred Fifty Six Only
13	37795.60	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications.	Sqm	36.0	Rupees Thirty Six Only
14	1839.72	Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications	Cum	9089.0	Rupees Nine Thousand Eighty Nine Only
15	56359.65	Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.	Sqm	15.0	Rupees Fifteen Only
16	2095.80	15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications	Cum	10364.0	Rupees Ten Thousand Three Hundred Sixty Four Only

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	App Qty	Description of work	Approved Rates of m/s B B Umesha		
			Unit	Rate in Figures	Rate in Words
	566.32	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	1056.0	Rupees One Thousand Fifty Six Only
18	424.74	Construction of un-reinforced plain cement concrete KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	7499.0	Rupees Seven Thousand Four Hundred Ninety Nine Only
19	2831.60	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.	Sqm	121.0	Rupees One Hundred Twenty One Only
20	1040.50	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement	mtr	156.0	Rupees One Hundred Fifty Six Only
21	2007.00	Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications.	Sqm	693.0	Rupees Six Hundred Ninety Three Only
22	3520.00	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete	Nos	424.0	Rupees Four Hundred Twenty Four Only
23	5250.00	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	78.0	Rupees Seventy Eight Only
24	1666.67	Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications.	Nos	459.0	Rupees Four Hundred Fifty Nine Only

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